

10/509708**FIGURE 1****SEQ ID NO. 1**

```
1  GCTTGACAAC  GTCATTGAGA  ATCCCCTTGC  TACTTAGCTG  ACCTATCTAC
51  AGGCTGGGTC  AGCATAATCG  CAGCGTCGGA  CAAGGCGTGG  AGGAATCGCG
101  TCGCGACTTA  TGCAACTCCT  TCAAAACCGG  CGTCGCGCCG  CCGTGTGAAA
151  CGCAGGTCAA  TCCGCACCGG  GATGGTGATC  GGTTCAAGTC  GTCCGACCAT
201  GGGCGGTTGG  GGACCCGGAC  ACTCGAGACA  TCACCCTAG  CTGATATCAG
251  CTTTAGCTGA  TATCATGCGG  TAGTGCGGAA  ATGGGAGGTT  GACCTGACTC
301  TCATCGAAGC  CTGGATGGAT  GCCCTCAATG  ACGttgtcaa  gc
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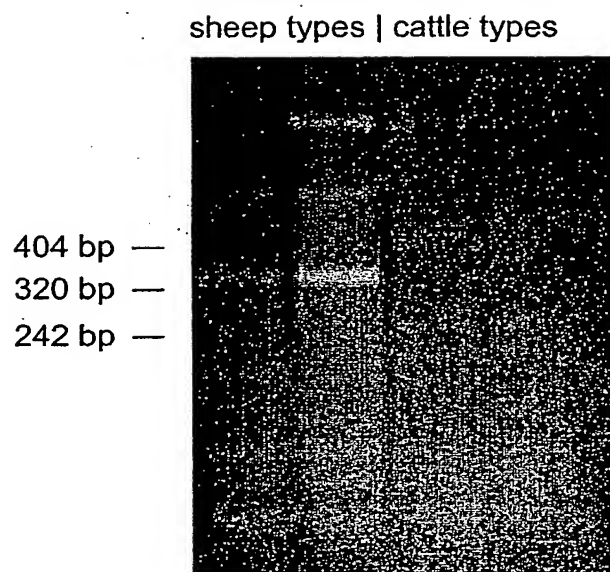
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FIGURE 2

SEQ ID NO. 2

TTGAAGTTGCCGAAGGTGCGAATCGAGCCGTCGGTGTCTGAAGGCGACGGTGTCTGATCTTG
GTGTGCGGCAGGCGCAGGAACCTCGTCGATGAGGCCAGCTCGTCCATGATCCGCAGCGTG
GTCGGATGCACGGTGTCTGCGCGGGAAGTCGCGCAGGAAGTCGTTGTGCTTTTCCAAGACG
ACGACCGGGATTCCGGCCCCGGGCGAGCAGCAGCGCGTGCACCATCCCGCGGGGACCGCCC
CCGGCAACGCACACCTGAGTCCGGATCACTTGCGCAGGCTACCTCCCGGGTCCAACCACT
AGGCCGTCCAACCTCGACGGCCGCTACAGAGCTACACGAGCCCCGCGCGAGAACATCGAG
TCATGGAACCTCTATCGCTTCCGGCACCAGCGCCCCGGCGGGATGTCTGAACGAGACGCTCCCA
TCCATACCGAGGCCAGGGTTGATGTCTTCCATCCAGGTGTTGTCTGCTGAGCGAGGTCTGTC
GCGTCAAACCTTCTTGCCGTCGATGATCAGTTTTTGGTTGGAAGCAGAGAAGCTTTGGGAC
TTGTCTGCGCGATGTTCTGTCACGCGGAGCTTCACGACGAAAACTCGCCCTTGCTTGTCTGC
AAACTGAAGACCCCTTCCCTAGTGGCCGAGCGATCGACACCAAGCACTTGAAACTCGAAC
TTACCGTCTCTGCACCGGGGACCCAGCGGGGGCGACGGCAGGCCCTACATGCTTTGGCTTC
GTCGGCGCGCTTGCCCTTGAGGGGACCGACGCTGCCGTGTTCTGACTCCGCGACGGTCTTC
TTGTCTGCGCGTCTGTTGCCGCCGCTGGCGATGGCAATCAGGACCACCACTACGGCTCCGGCG
CCTAGGATCCACTTCTTATCGGACTTCTTCTGGCGGCTGGGCTTACGGGCTGGCCAACG
CCGGGTGGCGGGCGGGGAAATGGCGCATAACTTTCGGTCCACGCTGTGCCGTCTGAAGTAC
CGCTGGCGGCTCGGATTAGATGGATCGGGATACCAACCGCTGTTGGCTGCGTCATGAAG
TCCCCTTGCTACTTAGCTGACCTATCTACAGGCTGGGTCTAGCATAACCGCAGCGCTCGGAC
AAGGCGTGGAGGAATCGCGTCTCGGACTTATGCAACTCCTTCAAAACCGGCGTCTGCGCCGC
CGTGTGAAACGCAGGTCAATCCGCACCGGGATGGTGATCGGTTCAAGTCGTCCGACCATG
GGCGGTTGGGGACCCGGACACTCGAGACATCAACCTAGCTGATATCATGCGGTAGTGCG
GAAATGGGAGGTTGACCTGACTCTCATCGAAGCCTGGATGGATGCCCTCGATGACGAGGA
GTACGACAACCTTGATAGCAGCGCTCGAGCAGTTGGAGGAACACGGTCCAATTACCCGGCG
GCCGTTTGTGGACACCCCTGAAGGGTCAAGGCACCCGAACATGAAGGAGCTCCGTCCGCG
CCCCACGAAAGCTGGAGCCACATTCTGCGTGCTATTCGCCTTCGATACCCGGTCTGCGGGC
GATCATGTTGATCGCTGGAGACAAGGCGGGCAATTGGTCCAAGTGGTATGCCAAGCACAT
TCCCATTGCCGACGAGCTCTTCGATGCTCACCAAAAGCGTTTACACAAGGCAGCAGCCAA
AGCCACCAATCGGAAACCAAGGAAGGGAAAGAAACGATGACCAATCTTGATGACATGCGC
CGTCTGCCGTCCCGGCAACCGGACCCGATCGACGCGATCAAGGCGGAGATGGACCGCGAG
GTTGCCAGTACCGTCTCCGCGAAGTGCAGGAGGCTGCCGGCTACACGCAGACGACTCTC
GCTGCGGCTATTGGCGTCTGGGCGAGAACCGCGTCTCGCAGATGGAACATGGCGATCTGGGC
ACGAGCCGGGTCTGACACTCTCCGCAAGTACGTGGAAGCGACTGGGGGTGAGCTGGAAGTG
TCCGTCAAGCGTCCGGACGGGTACGGGTTCTCCTCAGCCTGTAAAGCGCGACGACCGAG
ACCCAGGGCGAAGGCTTCGAGAACGGTGTCCAGGTACCGGCTGCGGCTTGTGATTCTCGG
GTGCCCTCGGCGCTCAGAAGCAGTCTGAATGACGGGGCCATCGATACAGAATCGACGGAGA
ACCGAAGCAGTACAACAGATCTCGTCTGCACATCGGCCTCAACTCGATCGCGGCACAGATC
AGGTAACCGTATTCTGCGGACGTCGCCAAGACCGACTCCGATGCAACACGATCAGCCGTCT
AGCACGGCTAGAGTCACCTGTCTGGACTGTCTGCGGACCGCTGTCTGTCACCGAAGACGAC
GAGGACACCACGGCGAAGTACACCC

FIGURE 3



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FIGURE 4

cattle 850 cacttcttatcggaacttcttctggeggtgggcttcacgggctggccaacgccgggtggcggcgggaa
DMC531

cattle 920 atggcgcataactttcgggtccacgctgtgccgtcgaagtaccgctggcggtcggattagatggatcggg

cattle 990 ataccaacccgctgttggtgcgtcatGAAGTCCCCTTGCTACTTAGCTGACCTATCTACAGGCTGGGTC
sheep 1GCTTGACAACGTCATTGAGAAATCCCCTTGCTACTTAGCTGACCTATCTACAGGCTGGGTC
DMC529
DMC136

cattle 1060 AGCATAACCGCAGCGTCGGACAAGGCGTGGAGGAATCGCGTCGCGACTTATGCAACTCCTTCAAAACCGG
sheep 61 AGCATAATCGCAGCGTCGGACAAGGCGTGGAGGAATCGCGTCGCGACTTATGCAACTCCTTCAAAACCGG

cattle 1130 CGTCGCGCGCCCGTGTGAAACGCAGGTCAATCCGCACCGGGATGGTGATCGGTTCAAGTCGTCCGACCAT
sheep 131 CGTCGCGCGCCCGTGTGAAACGCAGGTCAATCCGCACCGGGATGGTGATCGGTTCAAGTCGTCCGACCAT
DMC533

cattle 1200 GGGCGGTTGGGGACCCGGACACTCGAGACATCACCCO.....TAGCTGATATCATGCGG
sheep 201 GGGCGGTTGGGGACCCGGACACTCGAGACATCACCCCTAGCTGATATCAGCTTTAGCTGATATCATGCGG

cattle 1254 TAGTGCAGAAATGGGAGGTTGACCTGACTCTCATCGAAGCCTGGATGGATGCCCTCGATGACGAGGAGTA
sheep 271 TAGTGCAGAAATGGGAGGTTGACCTGACTCTCATCGAAGCCTGGATGGATGCCCTCAATGACGttgtcaa

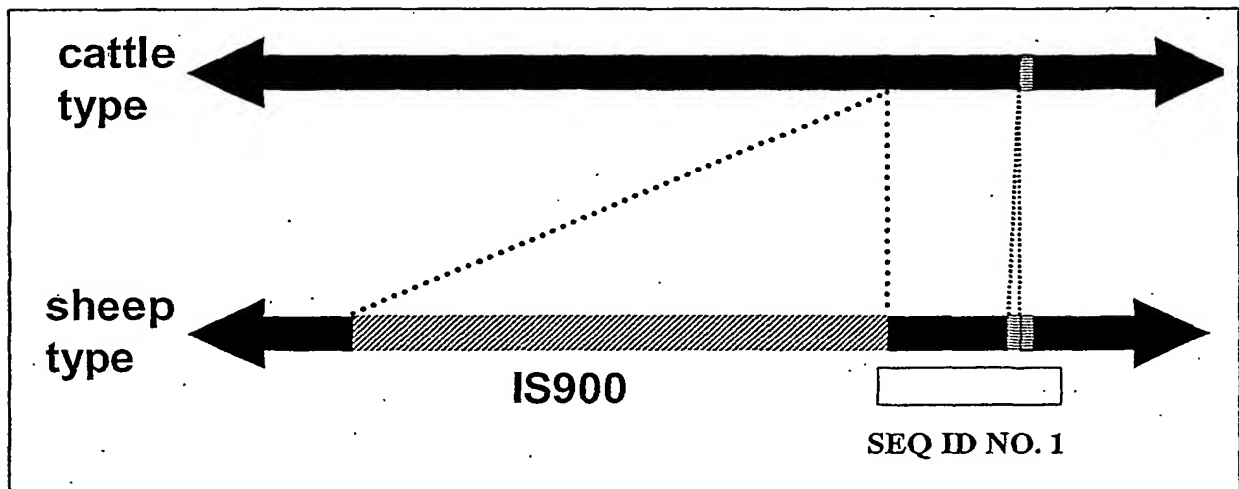
DMC505

cattle 1324 CGACAACTTGATAGC
sheep 341 gc.....

3' end of DMC136

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FIGURE 5



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FIGURE 6

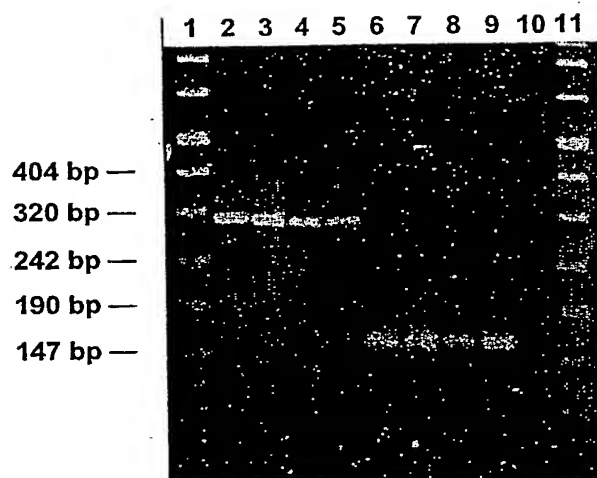


FIGURE 7

